

From owner-qrp-1@netcom.com Wed Sep 28 22:42:02 1994  
From: bob.berlyn@chowda.com (Bob Berlyn)  
Subject: 40/40 RIG  
Date: Wed, 28 Sep 1994 13:04:00 GMT  
Message-Id: <9409281806224498@chowda.com>

Hi Again:

I finished my 40/40 Rig today.

I spent all day on the bench trying to figure out why the reciever would not work.

I seems that the audio amplification is VERY weak. I tried a pair of walkman headphones and nothing. Tried a Radio Shack 8 Ohm ear piece nothing. Finally I hooked ap an audio amp I made using an LM 386 for signal tracing to the audio output and low and behold it works.

Is this normal ,or do I have a problem ?

I dont mind building a small audio amp but wanted to know if any of you have had the same experience or know of a fix thats not obvious to me.

Thanks

---

\* OFFLINE 1.54 \* Bob Berlyn N1PWU

Bob.Berlyn@Chowda.com

From owner-qrp-1@netcom.com Wed Sep 28 22:02:38 1994  
From: bob.berlyn@chowda.com (Bob Berlyn)  
Subject: 50 Mhx Freq Counter  
Date: Wed, 28 Sep 1994 12:52:00 GMT  
Message-Id: <9409281806224497@chowda.com>

Hi All,

Here is the information you all have been asking me for:  
The kit is put together by an outfit called:

Weeder Technologies  
P.O. Box 421  
Batavia, Ohio 45103

The parts for the Kit are as follows:

Double-sided, PCB with plated through holes

part # (WTCB-B)               \$ 8.50

Kit of all board mounted components including preprogramed PIC16C54  
microchip.

Part # (WTCNT-C)             \$ 19.50

Preprogramed PIC16C54 ONLY

Part # (PIC-CNT)             \$ 16.00

16 Character X 1 line LCD module  
\$ 18.50

Shipping & Handeling       \$ 3.50

Ohio Residents 6% sales tax.

I have nothing to do what so ever with Weeder Tech. I just read the  
artical in Popular Electronics and thought I would try it. I Liked It.

So the parts cost me \$ 50.00 plus \$ 20.00 for a good looking enclosure.  
For 60.00 bucks and a half days work at the bench I figure I am ahead

of the game. Plus I learned a little something.

If any of you want to build this and cant find the Magazine (not necessary  
for the project by the way) I will be happy to share my information.  
Just semd me E-Mail

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\* OFFLINE 1.54 \* Bob Berlyn N1PWU

Bob.Berlyn@Chowda.com

From owner-qrp-1@netcom.com Wed Sep 28 12:49:42 1994

From: bob.berlyn@chowda.com (Bob Berlyn)

Subject: 50 Mhz Freq Counter Done

Date: Wed, 28 Sep 1994 03:16:00 GMT

Message-Id: <9409280900164449@chowda.com>

Hello All,

I finished the popilar Electronics Freq counter yesterday. It works  
as advertised.

I sent to Weeder Tech for the PC board, all board mounted componets  
Microntrolor chips (Preprogramed), and display.

I sent a money order a week ago monday and I had the package six days later.

The Pc Board seemed to be of high quality. About 2 1/2 X 1 5/8 inches  
Double sided with plated through holes. The board mounted componets,

resistors, Caps, Diodes etc, were of the quality you would expect. As it turned out I had all the components in my stock pile. I am not sorry I ordered them because I was not sure what to expect.

The LCD display from Weeder Tech cost about the same as it would have if I ordered it from some place like Mouser.

The Microcontroller chips were ordered Pre-Programmed. I do not have the equipment or knowledge to program them. I doubt the average home brewer has the required equipment.

Documentation was excellent. Not the put part x into slot z type, but very clear and concise. The only snag I had with the entire project was when I tried to set the voltage with the bias control (R3). The trouble shooting documentation was good and had the problem solved in no time. I replaced Q1 (MPF102) and that solved it.

I calibrated the instrument against my Yaesu FT-890, zero beat against WWV. I found that at 10.0 Mhz the error of my Freq Counter is 380 Hz. At 1.8 Mhz the error is 7 Hz. Of course the higher the freq the greater the error. This of course assumes that the frequency display on the Yaesu has no error.

My point is, I guess it turned out like I had hoped. I have a reasonable piece of test equipment for my bench for not much money. I have taken up to much band with as it is so.

72

---

\* OFFLINE 1.54 \* Bob Berlyn N1PWU

Bob.Berlyn@Chowda.com

From owner-qrp-1@netcom.com Wed Sep 28 05:39:55 1994

From: NYOUNG@nova.wright.edu

Date: Tue, 27 Sep 1994 20:02:06 -0400 (EDT)

Subject: American Morse and other vagaries

Message-Id: <01HHMALVFEMG8ZE3PE@nova.wright.edu>

I punched the delete button too soon to see who it was that noticed the similarities between "es" and "&" in International and American Morse. Whoever that soul was also said that "es" was Spanish for "and." Wrong. "Es" is the third person singular form of the verb "ser," which can be translated as "to be." Thus, "es" means "it is," as in "eso si que es," "yes, that's it for sure."

"Es" does mean "and," but not in Spanish. It is the Hungarian for "and," and if memory serves, it has no accent mark on the "e." I seem to remember that accents in Hungarian are used on

the long forms of the vowels, thus making "es" in Hungarian (memory jog here...) sound like "aysh." (The "sh" is an approximation. It's a special form of the "sh" sound.)

So there you go. Another piece of language trivia, brought to you by some strange soul who sits in an even stranger circle of even more strange light.

But at least it's a weak light. About 5 watts.

73  
Nils  
WB8IJN  
etc.

From owner-qrp-l@netcom.com Wed Sep 28 14:28:47 1994  
From: sehneg@austin.ibm.com (Sehne)  
Message-Id: <9409281418.AA16125@n2kty.austin.ibm.com>  
Subject: Any postings?  
Date: Wed, 28 Sep 94 09:18:41 -0600

I haven't gotten any postings in several days? Is my mailserver sick or hasn't anyone written? I believe I'm still a subscriber for the QRP group  
Last mail item was regarding milliwatt reprints. Maybe it's the sunspots?  
73s, Gary (N2KTY)

From owner-qrp-l@netcom.com Wed Sep 28 01:27:50 1994  
Message-Id: <9409271902.A2785IN@wa8tzg.mi.org>  
Date: Tue, 27 Sep 1994 19:02:44 EDT  
From: wwm@wa8tzg.mi.org (Bill Meahan)  
Subject: Re: Dayton West!! at Pacificon

>Guys, make plans now to attend Pacificon and the QRP event of the year  
>(hopefully) on the West Coast. Jeff Jones of this list has secured  
>permission for us to use a meeting room at the ARRL Pacific Division  
>Convention (Pacificon) on Oct. 22, which is a Saturday night. The  
>convention runs Friday, Saturday and Sunday and is held at the Concord  
>Hilton Hotel in Concord, CA.

[other details deleted]

Rats! I'll be arriving in California (my first visit ever) on Saturday night, Oct. 22, but it will be in San Francisco and the plane arrives at 8:55PM Pacific time. (That's 11:55PM according to my still-on-Eastern-time body :-)) By time my wife and I check into our room in Santa Clara, it will be much too late to even THINK about QRP.

I won't be taking any QRP stuff with me on this trip (taking my wife instead) but I'll try out a couple of the repeaters in Santa Clara so if you hear me, give me a shout. Any of you folks attending WinDev West?

--

Bill Meahan WA8TZG                      wmeahan@wa8tzg.mi.org  
Member of: ARRL, IMRA, NorCal QRP, G-QRP, IEEE Computer Society  
Hey, this is my OWN computer! I can say what I want!  
cat: a purr bearing mammal

From owner-qrp-l@netcom.com Wed Sep 28 15:28:13 1994  
From: rdkeys@csemail (R. D. Keys)  
Message-Id: <9409281608.AA111903@csemail.cropsci.ncsu.edu>  
Subject: RE: Need help with diodes et al  
Date: Wed, 28 Sep 94 12:08:47 EDT

> Matt (N0EXU) wrote -----  
>  
> Bob:  
> I understand the use of solid state, and can say I've done the same  
> thing (recently). BTW, know where I can get the diagrams for Collins replace-  
> ments called 'tubesters'?

I would very much like to find out ANY information on solid state tube replacements, commercial or homebrew.

In my novice days, I transistorized an old Hammarlund Navy RBG (HQ-120) that worked fairly well. I took fet's (2n3819's) and made up octal socket plugs that replaced all the tubes. Then the thing ran on 24 volts at about 50 ma or so. It worked fairly well, but I did not really know what I was doing back then..... (:+{{.....

There are certain tubes that are, shall we say, hard to obtain, these days that I would like to build some solid replacements for --- like GOOD '01A's.

Anyone on the net have any further comments or ideas?

Bob  
NA4G

```
*****
* 73 TU SU SK DE NA4G                      ``Boat Anchor Bob'', an ol' CW fart.  *
*****
* Morse has been in the family for over 100 years.                               *
* Morse radiotelegraphy (Spark/CW) has been in the family since 1914.           *
*****
* May you have fair winds and following seas on your watch at the key.  *
*****
```

\*\*\*\*\*

From owner-qrp-1@netcom.com Wed Sep 28 14:31:07 1994  
Message-Id: <199409281417.PAA12949@gw.nc.bbc.co.uk>  
Subject: please subscribe  
Date: Wed, 28 Sep 1994 15:17:44 +0100 (BST)  
From: "Paul Cort-Wright" <tort@nc.bbc.co.uk>

PLEASE SUBSCRIBE

--

Paul Cort-Wright  
Paul.Cort-Wright@nc.bbc.co.uk

\*\*\*\* Auntie doesn't necessarily agree with my opinions \*\*\*\*

From owner-qrp-1@netcom.com Wed Sep 28 00:56:15 1994  
Date: Tue, 27 Sep 1994 22:37:29 -0400 (EDT)  
From: David Brodbeck <gull@grex.cyberspace.org>  
Subject: Re: Sugar Pop Morse Code  
Message-Id: <Pine.3.07.9409272226.C7949-a100000@grex.cyberspace.org>

[stuff deleted]

> notice that "&" is STILL sent as . ... ? Neat! BTW, I know "es" is  
> spanish for "and." :- ) 73 =paul= wb8zjl  
>

--> If I remember my Spanish I correctly, "and" in Spanish is "y".  
(Pronounced like an English long e.) You'll notice, though, that the CW  
abbreviation for "yes" ( \_.\_. or "C") obviously comes from the Spanish word  
"Si".

```

  _ _ _ _ _ _ _ _ _ _ | David Brodbeck                      Alma, MI
 / _ ' | | | | | | | | | | Amateur Packet (AX.25):  N8SRE@wb4vva.#nemi.mi.usa.na
 | ( _ | | | _ | | | | | | +-----+
 \ _ _ , | \ _ _ , _ | _ | | @ grex.cyberspace.org
 | _ _ _ /
```

From owner-qrp-1@netcom.com Wed Sep 28 03:43:42 1994  
From: rdkeys@csemail (R. D. Keys)  
Message-Id: <9409272040.AA109871@csemail.cropsci.ncsu.edu>  
Subject: Re: Sugar Pop Morse Code  
Date: Tue, 27 Sep 94 16:40:20 EDT

>

> In message <9409271346.AA108854@csemail.cropsci.ncsu.edu> R. D. Keys writes:  
> > >  
> > > Here's the American Morse Code (as opposed to International or  
> > > sometimes called Continental Code).  
> > >  
> Etc.  
>  
> Maybe someone can enlighten me since I've never heard American Morse.  
> That is the same as was used in the telegraph lines in the early West,  
> right? In the movies all you get is a series of clicks. My question is,  
> how did you distinguish a dash? Did you hear a buzz when the sounder  
> was down - or did you just infer a dash if you didn't get two clicks  
> close together?

As I interpret it, the sounder, when properly set up in a sounding chamber like the little half-clamshell things mounted on the pivoting arms or on the thing that looks kinda like a half-clamshell on a lamp pedestal or candlestick pillar, makes a sort of ringing click sound. If your ear listens carefully, your mind fills in the ``tone sound'' as the sounding chamber is ringing. The sounder itself has a tremendous mass of metal that will carry a ring for a fairly long time. The sounder is mounted on little brass points that helps to isolate it from the sounding chamber so that it will ring longer.

If you want a real trip back into time, hook up your key through a relay (used to do the keying) and a battery loop through a real morse sounder in the sounding chamber. It REALLY gives one an 'OT feeling!

Your mind basically makes up the spacing fill, after a few minutes of hearing the thing work.

>  
> That's always bothered me because you sometimes see movies/etc where people  
> communicate by knocking on walls and so forth. I know the "prisoner's code"  
> used in Vietnam was based on a table of letters rather than individual  
> dash/dots. You'd rap on the wall with a x,y coordinate in the table, which  
> would give you a letter (ie, 4 raps pause 3 raps indicates row 4, column 3).

The movies are one thing, but the reality is that walls make pretty good sounding boards just like a morse sounder. To see what I mean, mount a keying relay on the wall about 2-3 inches off a stud and see how well the wall rings when the relay clatters. An old car generator cutout or horn relay works quite well, when adjusted correctly as a keying relay that will make quite an imitation of a morse sounder, when mounted on a board or the table or the wall.

>  
>

> THANKS & 73 de WB5KXH  
>  
> ===== round up the usual disclaimers! =====  
> Bob Wier - wier@merlin.etsu.edu  
> keeper of the Adobe Photoshop, Icom Radio  
> Motorola HC11, and Overland Trails mailing lists  
>  
>

Chuck K5FO or any of the other OF's want to fill further?

I only know what my sounder ``sounds like''. It is the one with the clamshell mounted on a rotating/pivoting wall bracket of cast iron. I don't know what the proper terminology for the thing is (:+{{.....

Bob  
NA4G

From owner-qrp-l@netcom.com Wed Sep 28 04:36:13 1994  
From: JimN00CT@aol.com  
Message-Id: <9409272123.tn32308@aol.com>  
Date: Tue, 27 Sep 94 21:23:13 EDT  
Subject: SW Receivers for qrp.....

-----  
Jeff, NH6IL confesses to owning a DX-400. I was shocked to find that Mike, W3TS uses a Sony 2010! He uses it on the road. Along with his homebrew transmitters. Mike said that they make good receivers for tracking down RFI in your neighborhood. If I get the chance (or dollars), I would buy one too.

72 de Cameron, KT3A  
-----  
-----

Being an owner of a Sony 2010, I would be interested in how these guys T/R. Do you swithc the radio on and off (seems like slow recovery time)? Do you tune (via memory pushbutton) to a lower frequency (wouldn't the input FET that is famous for being fried get fried?).

In other words, how do you do it? I would like to know.....

72, jim n0oct

From owner-qrp-l@netcom.com Wed Sep 28 09:42:03 1994  
Message-Id: <199409281225.FAA02759@netcom.netcom.com>



Date: Wed, 28 Sep 94 06:59:59 EDT  
From: C=BAILEY%IS%211EIS@PAMDT.ANG.AF.MIL  
Subject: T/R Switching for SW Receivers

I don't own a Shortwave receiver, but I know a few guys who do. They commonly use a manual QSK arrangement. In the transmitter box they will mount a T/R switch. Care must be taken when selecting a switch for this purpose. The antenna is connected to the antenna jack and the receiver is connected to the receiver jack. Both are on the transmitter box. Yes, it is a pain, but it is simple. The little signal that is received by the SW receiver will enable you to "spot" your transmitter and provide sidetone monitoring when sending. I'm sure there are RF sensing circuits that could be used as well for fask QSK. These guys want to keep things simple. Another method is to use the whip on the sw receiver and use a tuned antenna for the qrp transmitter. You can only use these methods when using qrp.

72 de Cameron, KT3A

From owner-qrp-l@netcom.com Wed Sep 28 13:30:14 1994  
Message-Id: <9409281410.AA06062@easynet.crl.dec.com>  
Date: Wed, 28 Sep 94 10:10:11 EDT  
From: "N100Q Tom R. @ MR01 28-Sep-1994 1007" <randolph@est.enet.dec.com>  
Subject: RE: Using SW Rcvr for QRP

Ok, another confession... RatShack DX440.  
I must say, though, it's really nice to have a synthesized receiver around while building, even a cheapie... makes a freq counter almost superfluous.  
-Tom R. N100Q randolph@est.enet.dec.com

From owner-qrp-l@netcom.com Wed Sep 28 01:19:18 1994  
Message-Id: <9409280244.AA01714@mesa5.Mesa.Colorado.EDU>  
Subject: Using SW Rcvr for QRP Rec  
Date: Tue, 27 Sep 1994 20:44:54 +0000 (MDT)  
From: "jim rybak" <jrybak@mesa5.mesa.colorado.edu>

Since everyone is "admitting the truth," I also will make a confession. I use a Sony ICF PR0-80 as a receiver for QRP work. The receiver is quite good, has a stable bfo, and is compact. Must I wear a scarlet "S" (for "Sony" not for "Superman") on my forehead for the rest of my life?

Jim W0KSD

From owner-qrp-l@netcom.com Wed Sep 28 07:33:42 1994  
Date: Wed, 28 Sep 1994 00:20:22 -0700 (PDT)  
From: Alan Kaul <kaul@netcom.com>  
Subject: Re: Using SW Rcvr for QRP Rec

Message-Id: <Pine.3.89.9409280046.A23981-0100000@netcom6>

On Tue, 27 Sep 1994, jim rybak wrote:

> Since everyone is "admitting the truth," I also will make a confession. I  
> use a Sony ICF PRO-80 as a receiver for QRP work. The receiver is quite  
> good, has a stable bfo, and is compact. Must I wear a scarlet "S" (for  
> "Sony" not for "Superman") on my forehead for the rest of my life?

>

> Jim W0KSD

To Jim, Jeff and a few of the others who've copped a plea!! :

Most of us have some kind of ''other'' receiver in the  
shack ----- whether it is a SW rcvr, or one-half of a  
transceiver. Since many of you with separate  
receivers have had to figure out HOW to Interface the

QRP xmtr with the rcvr, I'd like to ask ALL OF YOU  
to share with some of the rest of us HOW you are interfacing  
the xmtr to the rcvr. Are you using diode switching?  
Relays? Manual switching? etc. I'm always looking for  
a better way -- and some of you may already have found  
it! Please share!!! 72 de alan, w6rc1

kaul@netcom.com

From owner-qrp-l@netcom.com Wed Sep 28 15:18:42 1994

From: Jeff Jones <jeffj@crl.com>

Message-Id: <199409281625.AA07533@crl5.crl.com>

Subject: Re: Using SW Rcvr for QRP Rec

Date: Wed, 28 Sep 1994 09:25:53 -0700 (PDT)

> transceiver. Since many of you with separate  
> receivers have had to figure out HOW to Interface the

> QRP xmtr with the rcvr, I'd like to ask ALL OF YOU  
> to share with some of the rest of us HOW you are interfacing  
> the xmtr to the rcvr. Are you using diode switching?  
> Relays? Manual switching? etc. I'm always looking for  
> a better way -- and some of you may already have found

As I am starting to make some simple transmitters and receivers I am  
interested in this also. Has anyone used a single pole double throw  
switch to do the switching? It seems at QRP levels this would work OK.  
Any drawbacks to this? It would be a lot cheaper to do it that way then  
getting MFJ's switch for \$20+.

Jeff  
AB6MB  
jeffj@crl.com

From owner-qrp-1@netcom.com Wed Sep 28 05:51:00 1994  
Message-Id: <9409271955.AA02457@mts-gw.pa.dec.com>  
Date: Tue, 27 Sep 94 12:57:01 PDT  
From: "Nothing in moderation....!" <brewer@anarky.enet.dec.com>  
Subject: Wanted. FT7 modifications article

Someone here posted a reference to some mods to the Yeasu FT7  
a few months back...I cant find the cite, can anyone help?  
I think there was a article in one of the club journals  
if I remember correctly....

Best  
/john wb5oau

From owner-qrp-1@netcom.com Wed Sep 28 12:52:26 1994  
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)  
Subject: Where is 72?  
Date: Tue, 27 Sep 94 22:54:51 EST5EDT  
Message-Id: <1994Sep27.225451.13019@wb3ffv.ampr.org>

All these comments about the Sept issue of QRPp not being received (got mine quite a few weeks ago, here in MD)--how about the Sept issue of the New England QRP 72 mag? Has anyone received that one yet? I did get my Sept issue of Colo QRP; never got anything out of K5FO except for the first issue, ditto for the Wisconsin QRP. The QRP Quarterly will quite possibly be on the streets during Oct (the issue month) according to a relayed and cryptic message from N8DHT (or at least that's my interpretation of the cryptic-ness). And the Milliwatt orders keep trickling in; I expected lots more, but then there were lots of unsubscriptions to The List; sure wish I'd kept a list of everyone who ever expressed any interest in it over the last 2 months! Sure learned my lesson on that one. 73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org  
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org  
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA  
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking